

PHILADELPHIA MUSEUM OF ART • FAIRMOUNT

BENJAMIN FRANKLIN PARKWAY AT TWENTY SIXTH STREET . P.O. Box 7646 PHILADELPHIA 1

March 8. 1963

Mr. Eric P. Newman 6450 Cecil Street St. Louis, Mo.

Dear Mr. Newman:

In trying to track down the exact method used by Ben Franklin to print impressions of leaves in currency, it was with considerable interest that I ran across your article "Counterfeit Continental Currency Goes to War" in which you proved that Henry Phillips, in his Historical Sketches... (p.202) was incorrect in accepting the copperplate [belonging to Joseph J. Mickley] as genuine.

The question still remains, how did Franklin and others print these leaves? I have several theories that include a primitive form of stereotype, or a kind of "automatic writing", (even considered the possibility of soft ground etching) - but I have found no statement of just what the process was. None of the books on Franklin, or those on Colonial printing, or the books on counterfeiting take into account the difficulty of printing an exact duplication of a natural leaf. Except for you, no one has bothered to establish the fact that the plates were made in relief instead of intaglio (copperplate).

Have you ever found the answer to the question of just how these relief plates were made, and in what material they were made? It is an intriguing bit of Frankliniana that has apparently been overlooked. It is understandable that Franklin would be loath to disclose his secret for confounding counterfeiters.

It would be interesting to hear your views if you would care to share them.

Sincerely yours,

Knieland Mcluly

Kneeland McNulty
Associate Curator of Prints

Water 13, 1963

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March 19, 1963

Mr. Kneeland CoNulty Philadelphia Museum of Art - Fairmount Benjamin Franklin Parkway at Twenty-Sixth 3t. P. 6.80x 76h6 Philadelphia 1, Penna.

bear 'r. clulty:

I do not see how it is passible that the cuts were made by a crude form of stereotype from cast impressions of actual leaves. The background of each out has been hatched in and many of the actual leaves which are illustrated are three dimensional and drawn in two dimensions.

We have available Continental currency, rennsylvania currency and blue sheets in new condition. I do not believe these will support your theory.

There is a man in hiladelphia who could be very help-ful to you, namely, Richard Hoober, 236 Rice's will Road, Wyncote, Pennsylvania, and he has in his collection adequate examples.

Other cuts on the Pennsylvamia currency are obviously repetitive, particularly some on the front where the decorative vertical columns on each side are exactly the same even including mistakes.

If you find that neither Wr. Hoober or the Historical Dociety of Pennsylvania do not have examples which will ser e your purpose, we will forward the same to you far study.

Ver truly yours.

ERIC P. NEWMAN NUMISMATIC



PHILADELPHIA MUSEUM OF ART . FAIRMOUNT

BENJAMIN FRANKLIN PARKWAY AT TWENTY-SIXTH STREET * PO. Box 7646 PHILADELPHIA 1

March 15, 1963

Mr. Eric P. Newman Numismatic Education Society 6450 Cecil Avenue St. Louis 5, Mo.

Dear Mr. Newman:

Very many thanks for your letter and enclosures. The pamphlet and the article in <u>Coin World</u> I read with much profit in the Pennsylvania Historical Society library. I am very pleased to have copies for our archives here.

I certainly am interested in researching the problem of how the leaf cuts were made. I am taking a slightly different viewpoint from yours by examining the possibility that these cuts were made by a crude form of stereotype direct from cast impressions of actual leaves.

Could you tell me if some of the unsigned proof sheets on blue paper, which you mention in your pamphlet, would show the leaf side of the currency, and if they would be available locally in Philadelphia? It would be a great help to see proofs that are not soiled, rubbed, imperfect, and otherwise difficult to study.

Sincerely yours,

Kunland McKulg-

Kneeland McNulty Associate Curator of Prints



PHILADELPHIA MUSEUM OF ART . FAIRMOUNT

BENJAMIN FRANKLIN PARKWAY AT TWENTY-SIXTH STREET * P.O. Box 7646 PHILADELPHIA 1

March 26, 1963

Mr. Eric P. Newman Eric P. Newman Numismatic Education Society 6450 Cecil Avenue St. Louis 5, Missouri

Dear Mr. Newman:

Enclosed are some galley proofs of material we are including in our forthcoming catalogue of "A World of Flowers" exhibition in which we have introduced examples of "nature printing", including Franklin's use of leaf imprints on currency.

Considering Franklin's interest in nature printing, his early imprint (1737) of a leaf in his Almanac (Cat. #145), and his interest in stereotyping experiments, it seems reasonable that he made casts of actual leaves for his currency designs.

It seems unlikely that these designs were engraved first, especially when one examines those pieces of currency that have a cloth-like textured background which, in some cases, have a definite curvature of the lines exactly as cloth ribbing would curve when stretched. An engraver would not normally simulate these curved lines.

I have talked to Mr. Hoober. He will bring some good proofs to show us Wednesday.

Kneeland mcruly

Many thanks for your interest.

Sincerely yours,

Kneeland McNulty

Associate Curator of Prints

Mr. Eric P. Newman March 27, 1963

Also, Spawn is working on an 18th century Philadelphia book binder by the name of Robert Aitken. From Spawn's zerox copy of Aitken's Waste Book (i.e. account book) the original of which belongs to the Library Company, he brought to my attention the following items that have to do with Delaware currency. Perhaps this information will be of use to you in a different connection:

Robert Aitken's Waste Book at the Library Company of Philadelphia.

- col. 339 Receipt: May 19, 1777

 James Adams Wilmington Cr. for engraving Plates of Paper Money 12-
- col. 342 " June 11, 1777
 Cr. Mr. Jas. Adams for Engrav[†]d
 Borders of Money Delawr. State 12-
- col. 337 Debt. April 30, 1777

 Mr. Jas. Adams printer Dr.

 To Engraving 8 plates 30s 12--
- col. 339 " May 16, 1777

 Mr. Jas. Adams Printer Wilmn. Dr.

 To Engrg 4 plates 3d tickets, 4 4d
 4-6d. & 4-9d. tickets 2 Doll. Each 12--

Hope to see you this weekend.

Sincerely yours,

Kneeland McNulty

Aneeland McNulty Associate Curator of Prints

NATURE PRINTING 144. BREITNALL, Joseph (American, died 1746)

PRINTS OF LEAVES, a collection of specimens of nature printing, bound in two folio volumes, one containing 130 pages and the other 103 pages of imprints, dating from 1731 to 1742. Lent by The Library Company. imprints, dating from 1731 to 1742. Lent by The Library Company. A. Brigfinall was an original member of the Junto, Franklin described him in his Autobiography as "a good-natured, friendly, middle-aged man ... very ingenious in many little Knicknackeries and of sensible conversation." The scrapbooks above, described as "a large Collection of Prints of Leaves of Plants growing near Philadelphia" were given to the Library Company by his widow in 1746. The specimens of nature printing were made on sheets of paper, varying from about 6 x 7 to 17 x 30 inches, and printed with printer's ink. The sheets were folded in half and the intended leaf inserted, so that there would the leaf. Some were done with a roller the leaf. Some were done with a roller (May 19, 1234) others "were done in my new Press which Joseph Walkins made and now brought Home, 2nd of May 1734." There are other interesting notes ioted down by Breighall, for example: "Done July 18th 1742, when T impressed 6 or 8 Sheets more for my Frds [Friends] Kent, Bard, Pratt, Impressed 6 or 8 Sheets more for my Frds [Friends] Kent, Bard, Pratt, Drowne, Shoemaker, etc." On the page displayed is written: Engraven by the Createst and best Engraver in the Universe.

145, FRANKLIN, BENJAMIN (American, 1706-1790)

POOR RICHARD, AN ALMANAC FOR THE YEAR OF CHRIST, 1737. Printed by Benjamin Franklin, 8 vo, Philadelphia, 1737. Lent by the American Philosophical Society.

American Philosophical Society.
This pamphlet contains an imprint of a leaf of Rattlesnake Herb by nature printing together with a description by Breginall of its curative properties as known to the Indians. It is one of the earliest examples of the publication of nature printing in quantity with letterpress, antedated only by Kniphof's publication of 133.1 targues well for the technological competence of the American Colonies and for Franklin's inventiveness in particular, that so ingenious a picce of printing could have been produced so early.

146. FRANKLIN, BENJAMIN, and Davin

> [FIVE POUND NOTE] paper currency for the State of New Jersey, 1759, printed in the printing shop of Franklin and Hall, with the imprint of leaves by nature printing to make counterfeiting more difficult. Lent by the American Philosophical Society.

by the American Philosophical Society.

Franklin's practical application of nature printing to the printing of paper currency, is unknown in botanical literature. Franklin had been appointed Public Printer for Pennsylvania, later Delaware, New Jersey, and Maryland; among the duties involved was the printing of paper money. Through his participation in experiments in nature printing of paper money. Through his participation in experiments in nature of the printing of paper money. Through his participation in experiments in nature for the printing of paper money. Through his participation in experiments in nature for the printing of the protection of paper printing in a press. In some instances an impress of woven textile was added to give background texture. Little is known of Franklin's method; since it have a measure against counterfeiting, there would be every reason for not publishing the secret.

The many surviving specimens of the same leaf form imprinted on paper money, not to mention the vast quantity which no must assume not to have survived, lead to the conclusion that Franklin devised some kind of mold or sterootype of the leaf specimen and the accompanying cloth-textured background. This cast, in relief-or-woodcut.

type and ori printing press.

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712

Mr. Kneeland McMulty Philadelphia Huseum of Art P.G.Box 7646 Philadelphia 1, Penna.

Dear Mr. Mc ulty:

I was delighted to note in your exhibition of examples of nature printing with leaves and I fally understand the basis of your thinking that a stereotype could possibly have been used.

Is it possible that a leaf and a piece of cloth were pressed into clay, the clay baked, and then lead castings made from it to be used for cuts? What other soft materials could leaves and cloth be impressed in? I would be interested in your comments.

One of the very important items is to identify all of the leaves and leaf designs which Franklin used and it looks as though the work by Breintnall would be helpful in that respect. Virtually all of the leaf designs are known on paper money.

I also want you to know that the denomination is sometimes engraved on the leaf design and that could be accomplished by cutting into the casting.

In ItemNo. 146 in your list I do not find that Franklin printed any of the 1759 New Jersey paper money. James Parker was the printer at that time. There is also no 5f note of 1759 of the regular issue. I also call your attention to the use of the words "State of New Jersey" which should be "Colony of New Jersey".

I am wondering whether this is a proof or pattern note which is being loaned by the American Philosophical Society or whether it is a Delaware piece, etc.

March 29, 1963

-2-Kr. Kneeland McNulty Philadelphia Museum of Art

I am glad that 'r. Moober is cooperating with you and know that he will take a definite interest in this research.

lease keep me advised as this is a fascinating subject to write up separately.

Cordially ; ours,

ERIC 1. MEMIAN NUMBER TIC

EPI /atb

Mr. Kneeland McNulty Philadelphia Museum of Art .0.80x 7646 Philadelphia, Penra.

Dear Mr. Molulty:

I have found a writeup by a student of Virginia currency which indicales that type metal outs for Virginia Colonial notes were made from clay or plaster casts. No other explanation is given. However, a leaf, having been soaked in oil, could certainly be placed in plaster of Paris and leave a proper impression. The leaf could then be lifted out of the plaster of Paris easily in the same manner as death masks used to be made with plaster of Paris.

I hope these additional though s will be helpful.

Since ely yours,

ERIC P. M. WHAY NUMISHATIC EMICATION SOCIETY

EPH/atb



PHILADELPHIA MUSEUM OF ART . FAIRMOUNT

BENJAMIN FRANKLIN PARKWAY AT TWENTY-SIXTH STREET . P.O. Box 7646 PHILADELPHIA

April 5, 1963

Mr. Eric P. Newman Eric P. Newman Numismatic Education Society 6450 Cecil Avenue St. Louis 5, Missouri

Dear Mr. Newman:

Thank you for your last two letters.

The information about Virginia Colonial notes is a revelation. It seems to confirm our original theory. Is it possible to track down the source of this new piece of evidence?

Mr. Hoober was in and left us some pieces of currency to study. We are still convinced that the explanation of the leaf pattern lies in some crude cast method, and will let you know what our own investigations turn up. Meanwhile, we would like to know the source of the information on Virginia currency, if you can let us have it.

Sincerely yours,

Kuland menney

Kneeland McNulty Associate Curator of Prints Mr. Kneeland McNulty hiladelphia Juse m of Art P.C.Box 7646 Hhiladelphia, 'enna.

Dear Mr. McMulty:

I had already written my friend, in Virginia, for support of his comment that clay or plaster was used tomake casts of items on Virginia currency. He inferred that a coat-of-arms, in metal, was impressed in clay or plaster and then a lead casting was made from the plaster.

In the middle of the night I woke up with a new theory which appears logical. The cloth and the leaves are soaked in some material witch hardens on drying. Erhaps they are soaked in a very watery solution of plaster, then the cloth is laid on a bed of soft plaster and the leaves on top of the cloth. This is then permitted to harden, when it is tardened a negative plaster cast is made which constitutes the mold for the lead.

The denominations which I previously mentioned are cut into the lead as is shown by the enclosed photocopy where upon castings from the same mold the same denomination is cut in differently in the two types of the same piece.

The photocopies enclosed are a part of a full sheet of notes as printed and shows very definitely that the cuts were cast individually as in the ten shillings and 20 shillings the columns are interchanged in position. The back of the two examples of the 10 shilling shows nail holes, one of which apparently caused a break in the cut. Apparently nails were used on a depressed edge for the cut so that they ordinarily did not show but when the edge broke the nails had to be driven through the cut itself. Please note the small size of certain of the leaves.

I believe that Gooper Union Museum, in New York, specializes in printing and typography and I am wondering whether an inquiry from them might be helpful to you.

April 9, 1963

-2Mr. Kneelard 'c'ulty
Philadelphia Euseum of Art

I am still curious as to the so-called 17,9 New Jersey issue which you described. Actually what is it?

I hope this information is helpful to you and I believe that we are closing in on the matter.

Sincerely yours,

ENIC P. WINNAN WIMISH TIC

E W/atb

Mr. Kneeland McNulty Philadelphia Museum of Art F.J.Sox 7646 Philadelphia, Penna.

lear ir. ichulty:

I discussed the stereotype matters with the Curator of the City Art Museum of St. Louis and he felt that the original leaves and cloth could have oeen scaled in hot wax for stiffening purposes. He also said that the negative impression, which would have to be the mold for the lead, might have been made of a mixture of clay, lime, and finely ground ashes so that it could withstand the heat of hot lead.

I would like to ask ar additional question. Are the inker reproductions of the leaves on the pages of the book belonging to the Library Company of Philacelphia identified as to their specie?

Sincerely yours,

ERIC P. NEWMAN NUMISMATIC EDUCATION SOCIETY

EPN/atb



PHILADELPHIA MUSEUM OF ART . FAIRMOUNT

BENJAMIN FRANKLIN PARKWAY AT TWENTY-SIXTH STREET . PO Box 7646 PHILADELPHIA

April 15, 1963

Mr. Eric P. Newman Eric P. Newman Numismatic Education Society 6450 Cecil Avenue St. Louis 5, Missouri

Dear Mr. Newman:

Many thanks for the photocopy of the currency sheet. Oddly enough, the 10 shillings piece with the nail hole and chipped upper right corner is one of the several we selected for further study from Mr. Hoober's collection.

I have several specific questions from you to answer which I will try to reply to first. The 5 Pound Note, printed by Franklin and Hall of 1759 and mentioned in our Flower Catalogue is, as you surmised, from the Province of Pennsylvania, and not New Jersey as we originally called it. Secondly, only a very few of the leaves in Breintnall's collection of printed specimens are identified. Curiously, there are some samples of square bits of cloth, also printed in this book, which resemble in shape those used in the background of the currency. I intend to get some of these photographed.

I believe we are beyond the point of speculating how these casts were made. The answer will have to come from proper documentation. The search lies in Franklin's own writings, which are now being edited at Yale, or in some other contemporary accounts such as your Virginia friend's discovery. There are many ways to make castings and perhaps your theories are right, but proper documentation is what we need.

We have established that the cuts were almost undoubtedly made from actual leaves, that Franklin and his friends experimented not only with leaf prints, but also with crude stereotyping. I have asked a gentleman named Dr. C. William Miller of Temple University - an expert on Franklin imprints - to give us the tenefit of his knowledge; and the former assistant editor of the Franklin Papers, Dr. Whitfield J. Bell, a neighbor of mine, is intensely interested and, as a matter of fact, got us involved in the whole problem.

George L. McKay in his <u>Early American Currency</u>... 1944, p. 60 etc. says that "In 1728 James Franklin [Benjamin's brother] petitioned the Rhode Island Assembly, urging that the colony's currency be printed in relief from ornaments, etc. cast from engraved models. He claimed that it would be much more difficult to counterfeit the bills he recommended than those printed from copperplate... Franklin's petition was denied." So here is further proof that the idea of relief cast cuts was discussed as early as 1728, and in Franklin's own circle.

You interest is very encouraging, and I'll let you know what is turned up next.

Cordially yours,

Kneeland McWuly

Associate Curator of Prints

Mr. Richard Hoober 236 Rice's Mill Road Wyncote, Penna.

Dear Dick:

Thank you for your very kind comments with respect to the work I am doing in numismatics. It is certainly true that both of us get real pleasure and satisfaction out of that type of accomplishment.

As to your New Hampshire paper money write up, I presume you will finish it as you have many of the others, and would suggest ANA publication unless it is long enough to make a full monograph for ANS. As long as you have started a pattern with ANA on the publication of similar articles it would not be advisable to change to the ANS NOUES.

I am very interested in the work or McNulty is doing and although they have not given me much in the way of facts I feel they are on the right track. I certainly think it is necessary, under the circumstances, to identify all of the leaves on the currency. Is there anybody in Botany, or Forestry, who would be in a position to do that as they are obviously all leaves from trees which grew in the Philadelphia area.

I find that the Bryn Mawr graduation is at 10 A. M. on Monday, June 3, and probably we will leave that afternoon after the program. I will be at the Deanery, in Bryn Mawr. I certainly appreciate your kind invitation to lunch but don't see how that is possible under the circumstances. Since you will have been away over the weekend or chance of meeting is problematacal.

As to the notes which you were nice enough to send, I do not have the Wamsutta, which is an alteration of the Washtenau Bank in Michigan. If you would let me give you another equivalent item for it I would be most grateful. I am enclosing one which

My friend has the note you sent and I think is in need of both the A and B plates of the 6 shillings.

You did not answer me on the question of whether you had ever prepared a list as to the actual denominations issued of Colonial notes and I am wondering whether you have undertaken any part of this work.

My very kindest dersonal regards.

I hope meets with your approval.

Bicerely,

PTC C. FE WAR

BrN/atb

April 19, 1,63

Mr. Inceland McMulty Philadelphia Mueseum of Art P.O.Box 7646 Philadelphia, Penna.

Dear Mr. McNulty:

Thank you for your letter of April 15. I am contacting the Botanical Garden, here, and will endeavor to have all of the leaves identified on the issues of the Continental Congress and the Province of Pennsylvania, etc.

One particular item bothers me. The imprint of the leaves on the paper money, according to the stereotype procedure should be mirror images. If any leaf shown were asymmetrical we could tell whether it was a mirror image or not and in that way determine something more of the process. If asymmetrical leawes are righthanded and left handed on the same tree then we are lost. Some trees have three different types of leaves. Frankly, this problem is really intriguing.

Your quotation of James Franchin's petition of 1728 relates to type ornaments rather than cast cuts, in my opinion. The idea was to make a border of repetitive cast ornaments which were identical. This would make it extremely difficult for a counterfeiter to engrave the ornaments separately as he would have to do on a plate. These ornaments were not therefore made any differently than cast type.

I am going to concentrate on studying the currency itself.

One of the finest botanical libraries in the world is here in St. Louis and I am going to ask their librarian to look for eighteenth century botanical items to see whether the stereotype process could have been used on some book.

I hope I can be of further assistance and look forward to hearing from you.

Sincerely yours,

ERIC P.NEWMAN NUMISMATIC EDUCATION SOCIETY

April 22, 1963

Mr. Kneeland [cNulty Philadelphia Museum of Art P. Box 7646 hiladelphia, Penna.

Lear Mr. McNulty:

Two items which might be helpful.....

Item 1. I find that on the \$5 Continental Congress issue of January lt, 1779, which contains the leaf of a mugwort, the cloth shows through one portion of the leaf. This must have been a very thin leaf and it shows that the cloth and leaf were part of one casting. No one engraving such a design would possibly superimpose the one on the other.

Item 2. Maryland used leaves on the issues of 1767, 1770 and 1774. The initials "I.G." are on most of the leaf designs. The same denomination of each issue carries the same leaf design. The printer of the 1767 issue was Jonas Green. The printer of the 1770 issue was Anne Catherine Green and W. Green and the printer of the 1771 issue was Anne Catherine Green and F.Green. It is entirely possible that the initials "I.G." stand for Jonas Green.

Sincerely yours,

ERIC P. NEWMAN NUMISMATIC EDUCATION SOCIETY

JOHN WORK GARRETT LIBRARY OF THE JOHNS HOPKINS UNIVERSITY

ELIZABETH BAER, Librarian SARAH E. FREEMAN, Curator, Vumismatics



I FRGREE \ HOUSE

1545 NORTH CHARLES STREET BALTIMORE 10, MARYLAND

May 10, 1963

Dear Eric:

Thanks for all the information in your nice letter. I regret to say though that it can't all be right. May be Kenney is to blame. That is chiefly why I have never happened to think enough of his work to buy it, though I have decided I better had.

I'll take your word on the Dickeson copy of the Continental Dollar.

Every the medal with the Perseverando type on the issue of continental currency could not possibly have been concocted by Thomas L. Elder in the early twentieth century. I found it and three others with different types grouped under the heading "Continental Seals" in Woodward's 19th, 1878.

And since then have found a mule of two obverse types - one of them the Perseverando - amongst miscellaneous American medals in bronze, in Woodward's 5th, 1864. This is almost, if not the, earliest auction catalog I have here, so I can't track back any further. Anyway, a little more research is called for, don't you think?

As to your problem, I'm taking it under consideration. I don't know anything about printing from real leaves, but may be able to find out something from a modern point of view. What makes you think they actually used real leaves, and not a good artist's engraving of a leaf? I have several colleagues who are experts on printing, etc., and it apparently would not have occurred to them that the actual leaf served as anything but a model. Our library here is strong on botanical book illustration, and reference books about the subject and there is no mention anywhere of any use of impressions. Also nothing in connection with colonial printing. The closest I've come is in the making of artificial flowers, etc., in which one makes a plaster cast of the leaf, and then a reproduction in wax, with wires for the veins, etc. And, of course, if one can make a plaster cast of a leaf, one could use the mould for most anything.

We are intrigued. But if you think they must be real just because they Rook real then I don't think there is much of a problem. There is no doubt that they are botanically identifiable, and in that sense real. I haven't time to dash out and check some live ones right now, but it seems to me that the leaves I've looked at on some available currency are somewhat reduced in size. In fact, methinks you're nuts!

Yours.

· willy

Mr. Kneeland McNulty Philadelphia Museum of Art P. D. Box 7646 Philadelphia, Penna.

Dear Mr. McNulty:

I visited the Hunt Botanical Library of Carnegie Tech, in Pittsburgh and left them a group of early American currency to identify the leaves. We also looked up in their library the matter of nature printing and they are sending me copies of certain pages from books in their possession. In the course of checking out the background of nature printing we found the following sources:

Ernest Fischer "Zweihundred Jahre Naturselbsdruck", Guttenberg - Jahrbuch 1933, pp. 186-213.

Wilfrid Blunt "The Art of Botannical Illustration", London 1950 and Br. Blunt's address is C/o Watts Gallery, Compton near Guilford, Surrey, England. (You may wish to write him).

Gordon Dunthmore "Flower and Fruit Prints of the 18th and 19th Centuries", ashington, D. C. p. 45, 2-314.

Kenry Bradbury "Wature Printing and its origin and objects", London, 1856.

I examined Thomas Moore's book entitled "The Ferns of Great Britain & Ireland, Nature Printed by Henry Bradbury" (London, 1855) which describes nature printing with metal. The specimen is squeezed between steel and a soft metal and then the soft metal is used as an engraving plate with green ink used. This process is "new" according to the preface, but it is similar to the Franklin method.

Benjamin Daydon Jackson "The History of Botannic Illustrations" in Transactions of Herefordshire Natural History Society for 1903-5. (1906). Hunt Library is ordering a microfilm.

Mr. Kneeland McNulty Philadelphia Museum of Art

The earliest nature printing was said to have been done by Hessel in 1707, in America. I found no information as to the source of that statement and wonder if you know anything about this man.

The world authority on botannical illustrations is Dr. Claus Missen, Haler-Beckerstrasse 11, Mainz, Gosenheim, Germany, who speaks and writes English. You may wish to write him.

I mentioned the problem to Mr. Marcus A. McCorison, at the American Antiquarian Society and he distinctly recalls reading some article with respect to printing with leaves. He called my attention to page 3hh of The Papers of Benjamin Franklin and wrote Mr. Labaree as to the source of this material. In the meantime, however, I have discovered what I consider to be very important information, namely, that the leaf cuts used on the paper for the first issues of the Continental currency were some of Benjamin Franklin's old cuts. I am enclosing some Kerox copies of leaf designs on American currency.

Let me know how you are coming along. lease thank whoever started this project as it has been endlessly enjoyable.

Sincerely yours,

ERIC F. HEWMAN NUMIS ATIC

Ву		
Eric	P. Newman,	President

EPN/atb

Dr. aran Freeman Johns Hopkins University Baltimore 18. Maryland

Dear Sally:

You have taught me never to rely on books. After studying your letter I went to work in my library and have the following revised conclusions.

The pewter Continental dollar is a Dickeson struck copy. I have found it struck in occuper as Item 3108 in the Woodward Sale of March 20, 1865. Whether struck in pewter at that time I have no evidence but would assume so. Checking my earlier sale catalogues produced nothing.

In the same sale, Lot 3107 has the Continental dollar obverse with the beaver reverse. Lot 3109 is a muling of the altar and "Confederation" on one side with an inscription on the other indicating that \$3,000,000 in Continental currency was issued in November, 1775. Lot 3110 has an earle and pelican fighting on one side and the "3,000,000 inscription on the other. The foregoing is conclusive of the fact that Dickeson made six dies relating to the Continental currency and muled them. I have located a few of these pieces in my collection.

In 1917 Thomas L. Flder, who had acquired these dies, prepared propaganda relating to the Kaiser, to the Lusitania, and to other so-called patriotic matters and struck pieces with various Dickeson dies on one side and the patriotic propaganda on the other. I have located a couple of these in my collection. Whether Elder made any more of the type without his propaganda and using only the Dickeson original dies 1 do not know, but I believe not as he too was a "nut" and the older pieces had no value then.

-2-Dr. Sarah Freeman

I also note in the 1864 Woodward catalogue which you call to my attention the fact that Dickeson had already made a copy of the Sommer Islands piece and it is mentioned in that sale.

I, naturally, confirm your finding of lot 1992 in the October 18, 186h Woodward sale which is a combination of the beaver and the altar dies. Now, perhaps, we are in accord.

The matter of the use of actual leaves for making cuts to print early currency instead of having them drawn is, in my opinion, almost a proven reality. Nature printing was apparently discovered in America with a leaf being smoked in lamp black and then pressed between two pieces of pager. Subsequently, in Germany and by Franklin himself, a leaf was socked in printing ink and pressed between paper in books. The leaf could be used many times. I have seen the German books and there is one by Franklin in the Philadelplia ilbrary Coppany.

The next experiments were with cloth being used in similar fashion.

Then comes the unknown hiatus of the paper money which is obviously printed with metal cuts and these cuts were made from easts from actual leaf molds. How this was done was the mystery. By 1855, in England, plants were pressed between a steel plate and a soft metal plate leaving an impression in the soft plate which was then used to print a book. What happened during the American Colonial printing did not happen by accident as the colonies of New Jersey, Pennsylvania, Pelaware, and Maryland all used leaf designs to prevent counterfeiting as well as the Contirertal currency. You can tell your frien's with interest in printing or botanical illustration that their help would be most appreciated as this subject is endlessly intrigeing. Incidentally, small size leaves were selected to fit the paper money and some of these did not even fit. This resulted in immature specimens of leaves which are much more difficult to identify.

-3-Er. Sarah Freeman

Because leaves from nut trees were used on the paper money I understand why you think I absorbed too much of the fruit but please or not "leaf" me to strugle alone on this research.

Since rely,

RREC P. TE MAN

EFW/atb

Mr. Kreeland McNulty Philadelphia Museum of Art P.O.Box 7646 Philadelphia, Penna.

Dear Mr. McNulty:

My daughter graduates from Bryn Mawr on Monday, June 3, and I probably will be in the Philadelphia area part of Saturday and Sunday before graduation. If you are not at the Museum at that time perhaps it might be well to get acquainted over the telephone.

I have noticed a certain matter which I would like to have you consider. The leaf print on the 10 shillings lennsylvania currency used from 1764 through 1776 was modified in 1769 only for use on a Pennsylvania 60 shilling note. The modification consisted of changing the denominational inscription on the cut from X.S to LX.S and adding L3 in the upper left corner. Thereafter there was a further modification of the cut by eliminating the denomination at the upper left corner and by removing the L from the denomination at the lower right corner. The places where these charges were made shows definite reworking of the old cuts as you can see on the enclosed pictures; (you can still see traces of the L3). There were two cuts of this design, one with the broken corner and one without a broken corner, both of which remain throughout every issue of 10 shilling notes from 1764 through 1776. How was the correction made to a type metal casting? A piece of some other cut might have been inserted but this seems to be a very clumsy way to do it. I doubt if two new negatives were made and corrected and then new cuts prepared from them. Have you an answer?

Another curiosity is that the same leaf illustration was used on a group of other notes. First it was used on the Pennsylvania 5 shilling notes with the denomination V inscribed in the cut. Then it was used for the 5 dollar notes of 1775 of the Gontinental Congress with no change. Then it was used on Pennsylvania 5 shilling notes of 1775 and an S was added after the V. Then, in 1776, it was used on the 30 shilling Pennsylvania notes, the VS being eliminated and XXXS being added in the upper corner.

-2-Mr. Kneeland McNulty Philadelphia Museum of Art

Because these changes were accomplished on the same cuts, it is clear that they did not have negatives to cast new cuts from.

As to casting cuts, I am advised that plaster of Paris will stand a type metal casting or so being poured over it without breaking.

Let me hear from you.

Sincerely.

BRIC P. NEWMAN NUMISMATIC EDUCATION SOCIETY

EPN/atb



PHILADELPHIA MUSEUM OF ART . FAIRMOUNT

BENJAMIN FRANKLIN PARKWAY AT TWENTY SIXTH STREET . PO Box 7646 PHILADELPHIA

May 17, 1963

Mr. Eric P. Newman Eric P. Newman Numismatic Education Society 6450 Cecil Avenue St. Louis 5, Missouri

Dear Mr. Newman:

I have sent you a copy of our "World of Flowers" exhibition catalogue which contains the full text of our Nature Printing findings. You will note in the bibliography to the Flower Prints section, on page 206 some of the books you mention in your letter of May 13. The Ernest Fischer reference, first on your list, is one we have not researched - I hope it is useful.

Meanwhile Edwin Wolf of The Library Company tells us he has discovered some more nature printing in a book by Pastorius of about 1700. We have yet to examine this new find.

The person who got us into all this trouble is Dr. Whitfield J. Bell, Jr. (2138 Cherry St., Phila.3) who first told us about Franklin's work. Bell is a next door neighbor and close friend of mine. He was associated with Leonard W. Labaree on the first four volumes of the Franklin Papers, now being edited at Yale, and is considered the foremost authority on Franklin. He would, I am sure, be entertained to hear from you if you cared to write him.

I enclose a clipping from the N.Y. Times by their art critic John Canaday who became interested in this aspect of the flower exhibition.

Many thanks for all the zerox copies of currency sent in your last letter. It is most interesting to see so many varied examples and I intend to pore over them as soon as I get the chance.

Cordially yours.

Kneeland Mcellety-

Kneeland McNulty Associate Curator of Prints

P. S. Hessel is still something of a guestion mark.

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HIVE FOUND MODEL caper curments for the Proxime of Pennsylania, it 50, profed to the printing tap of Profetor and Hall with the imports of barge-by matter printing to make constellating more difficult hand by the American Philoophical Sections. In case

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The many analysing specimens of the me hard form imprinted on paper money, not to mention the vast quantity edition one must be more not to have married by a the conclusion that Drawkin decision and some kind of mold or decision that Drawkin decision and the consultation of the last pretisent and the community flow past, lat the form of a ribbit, was more in conjunction with type and conjunction in an ordinary profits of pasts.



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Tax, AUUR, Years (American, 1814-1862) Nature orbition.

PICH CR5 Engraving printed in color, showing results achieved by Aury's improvements in technique. From his book on Naturselbstdruck, Vi nna, 1851, 61-86-106. In case.

To the choice of the choice May a mile of the second of th think rome when in

A 555/100 Da Veyer, traf of Saloin, from the Code x Atlanticus (1490-1615) ha dae Ambresi ma Library, Milan, Not in exhibition. Courtesy of the Free Library.

RATION FRONTIN

A fandrating and tention two chapter in the technical history of flower prints is that included by the name of Nature Printing. Such authorities as Blunt, Duntherne, and Nason have written on the subject, and there is no reason for further consideration of the matter beyond a brief recapitulation of their researches. The present exhibition can be about the present exhibition of their researches are also because of the present exhibition of their researches. The present exhibition of the process and on a graph of the process and on the printing of the process and on the printing participation in it. It involves what one might call a standard or the printing printing for the printing print

It is nature prilling, actual leaves and plants are used to produce the outline and image. It is of course better adapted for leaves and ferns than for actual flowers. The process was a development of the Historium or Hortus Sicus or collection of dried leaves or given which are part of every great bottonical library. Such dried specimens were fragile and community which to betein them. Rubbings from leaves were made as a more during the many particular than the form of a major and it has one uniformly couled with lampblack, and then it was placed become a first production of the form of a major particular development.

via man farrest in the paper. The process may be repeated until the host words and solution of tally some The Last partial effections to the method and in About of Producerts of the course or many solutions (Many 1877) according to Nicosey.

Fourieth th Vine beyond makes and add of action printing, we becaused in the control of the Vine to the term of the second of the second of the boundary of the boundary of the term of the place of the term of the other of the term of the place of the term of the

where present application, since a dampblack image was spirit rule and become blurred, the sample medical was approved by coaling the lead with protons as (a misture of lampblack and oil or sort in a) and subjecting the whole on the bestien and more uniform pressure of a matter or copying press, By 153s the technique has been nontroved to such as extent has alone the copying press, By 153s the technique has been nontroved to such as extent has alone the copying press, By 153s the technique has been nontroved in the V and a strength of the pressure could produce the lead again improve many pressured in the V and a strength of the pressure of the VIII of the V

ASS. All these publicators entered from the timestanting that the spectron is sever out of time the short the prima transfer to the prima that the spectron of the state of the timestant to the spectron of the state of the timestant to the spectron of the state of the timestant to the spectron of the state of the spectron of the spe

To return to Benjamin Franklin and nature printing, In The Papers of Boolomin Franklin, edited by Leona J. W., Labaree and Whitfield J. Bell, Jr., volume, L. page 34 (Fuberc is, speciation from an adverticement in Franklin's newspaper, Fla. P. meglesuri, C. party Euris, page 34 (Fuberc is, speciation from an adverticement in Franklin's newspaper, Fla. P. meglesuri, C. party Euris, page 34 (Fuberco), Fla. P. meglesuri, C. party Euris, Labout four Weeks since, Supposed in or near the Market-House, a bleet an half of Prints of Leaves, being Part of a complete Set. Whoever brings them to the Printe hereof, shall be well revarded." To which the editors have appended the following footmate "B. F. [Denjamin Franklin], Joseph Beinthall, John Bettman, ut their friends at this time experimented with mal-ing impressions of leaves of trees, churbs, ferns, and grass. S. Vilne the leaves were fresh and skillfully inked and press of, executingly courter team desore try girls were produced. European botanists a ked for examples, Breinthall model impressions of the Technol Tex Sauduc Chey komment to a few the Fronk taveller M. Aubrey de la Mottrave, whom Dr. Sauduc Chey komment to a few the Fronk taveller M. Aubrey de la Mottrave, whom Dr. Sauduc Chey komment to a few the Fronk taveller M. Aubrey de la Mottrave, whom Dr. Sauduc Chey komment to a few the Fronk taveller M. Aubrey de la Mottrave, whom Dr. Sauduc Chey komment to a few the Fronk taveller M. Aubrey de la Mottrave, whom Dr. Sauduc Chey komment to a few the Fronk and the f

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1.23 and in Ostober capplied Peter Collinson (in foundar) with some (30 prints were due untited on New Jersey raper entersy to make complete information one for (32) coincid a death of the retilemnts head, with Berint Collinson in it. "Examples of early paper covering printed in Landshitz printing Provision and Util, and Berintsul's nature printing, as well as a copy of Pool Afronon, resident and exhibition.

(a) which is an interferent front front line solved the problem of making nature printing part of the problem of the problem of the problem of making and the problem of the problem of the printing, and the printing of the printing of the printing of the printing of the printing.

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114. BREATN ALL, Joseffe (American, died

PRINTS OF IFAWIS, a collection of specimens of nature printing, bound in two folio volumes, one containing 130 pages and the other 103 pages of imprints, dating free USA to 1742. Lent by The Fibrary Company. In case,

the tan II rose in soughed to inher of the Junto. Enachin des closed him in his Antobiography as "a good-natured, fil solly," ill "be used man 1, very function of its are not fille Rail-kauckeries and of models conversation." The heap penals howe, described as "Thange Catlle tion of Prints of Leaves of Plants growing in a Philadelphia" were given to The Eibrary Company by his widow in 1716. The specimens of nature printing were made on sheets of paper, varying from about 6 x 7 to 17 x 30 inches, and printed with printer's ink. The sheets were folded in half and the inked leaf inserted, so that there would be an impress of the front and back of the leaf. Some were done with a roller (May 19, 1233) others "were done in my new Press which foe-oph Watkins mode and now brought Home, and of May 1234." There we other interesting notes jotted down by Breintaulf, for example: "Done July 18th 1712, when I jun re cd 6 or a Sheets more for my Idds [Friended] Kent, Bard, Pratt, Bowne, Sheenaker, etc." On the page duplayed is written: Figuraeen by the Creater and best Engraver in the Universe.



BRAINING ALL, Prints of Longo, 15 March 2022 - 122. There by The Ulwary Communy

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145, FRANKLIN, BENJAMIN (American, 1706-1790)

POOR RICHARD, AN AMADMAC FOR THE YEAR OF CHRIST, 1737. Printed by Benjamin Franklin, 8 vo, Philadelphia, 1737. Lent by the Amazican Philosophical Society. In case,

This pamphlet contains an imprint of a leaf of Rattle-make Herb by nature months sogniture with a description by breathful of the amounts proportion as Loower to the full time for some or the activity some for the profit of the profit of the control of the full time of the control of 1233. It is given will for the barriers of the American of 1233. It is given will for the barriers for the American of the first of the full so incomplete or the American of the set of the set of the American of the set of the



PHILADELPHIA MUSEUM OF ART • FAIRMOUNT

BENJAMIN FRANKLIN PARKWAY AT TWENTY-SIXTH STREET • P.O. Box 7646 PHILADELPHIA

May 21, 1963

Mr. Eric P. Newman Eric P. Newman Numismatic Education Society 6450 Cecil Avenue St. Louis 5, Missouri

Dear Mr. Newman:

I will not be officially in the Museum on June 1 or 2, but I live very close by and would enjoy meeting you and showing you our exhibit. You can reach me by phone at home, at LO 3-7968. My address is 2130 Cherry St., Phila. 3; it is about five minutes by car, or a thirteen minute walk to the Museum from there.

I shall try to think up some reasonable answer to your query about the modified cuts. Your Zerox pictures are very helpful.

Hope to see you soon,

Sincerely yours,

Bushan Mclube

Kneeland McNulty Associate Curator of Prints

May 21, 1963

Mr. Kneeland (cNulty Philadelphia Museum of Art W.J.Box 7646 Philadelphia, Penna.

Dear Mr.McNulty:

Thank you, very much, for the fascinating catalogue entitled "The world of Flowers". The write up of nature printing is indicative of the extensive research which you undertook. I congratulate you on it. I will plan to see the exhibit over the hemorial lay weekend.

Is it possible for you to send me a photographic print of the leaf from Breintnall's book as, no doubt, you had one made for the illustration in the catalogue.

I would like to know if you have a list of all of the varieties of botanical items in the Breinthall book as these would be most helpful in identifying these on the currency. In fact, matching the currency against Breinthall's book is probably very simple as all specimens in the area are, no doubt, included.

If you have not already done so, would you send a copy of your bulletin to Furt Botanical Library, Carnegie Institute of Technology, Fittsburgh, Tennsylvania, and Missouri Botanical Garden, 2315 Tower Grove Avenue, St. Louis 10, Fissouri.

I note you indicate that Hessel is still something of a question mark but, apparently, a painter by that name came to America in the mid-eighteenth century and perhaps only the date is wrong as the Linnaeus book mentioning Hessel was published in 1750. See Dictionary of American Biography.

I hope to hear from you concerning my trip to Philadelphia over the Memorial Day weekend.

Sincerely yours,



PHILADELPHIA MUSEUM OF ART . FAIRMOUNT

BENJAMIN FRANKLIN PARKWAY AT TWENTY-SIXTH STREET . PO. Box 7646 PHILADELPHIA 1

May 27, 1963

Mr. Eric P. Newman Eric P. Newman Numismatic Education Society 6450 Cecil Avenue St. Louis 5, Missouri

Dear Mr. Newman:

We had the photograph of the Breinthall pages taken by the Library Company, but we did get the negative, so I am having a print made up for you. I hope it will be ready by this week end. There is no list of all the botanical items in the book, unfortunately. I was hoping to get a chance to go over it more thoroughly when it comes off exhibition and before it is returned.

Meanwhile, a friend of mine named Willman Spawn, who works for the American Philosophical Society, came across the following note in The Pennsylvania Gazette which may be of use to you:

The Pennsylvania Gazette, February 17, 1763 Numb. 1782 bottom of (p. 4): Philadelphia: Printed by B. Franklin, POSTMASTER, and D. Hall, at the NEW PRINTING-OFFICE, near the Market.

(p. 2) The PUBLICK are desired to beware of Counterfeit THREE-POUND New-Jersey Bills, which, of late, have appeared among us --- They are badly done on a Copper-plate, dated April 8, 1762, and are printed on three Folds of Paper, pasted together, the Letters in the whole Bill being very irregular, and standing much out of Line; whereas the true Bills are neatly and regularly done in the common Frinting Manner, and printed on two Folds of Paper. In the first Line of the Face of the Counterfeit, the O in POUNDS is shorter and thicker than the other Letters in that Word; and in the third Line the last E in JERSEY is not like a Printing E, but is made in the Manner commonly used in Writing. In short, the whole is so ill executed, that we think, after this Notice, no Body can can be imposed on by them.

The Public are also desired to beware of Counterfeit THIRTY SHILLING Bills of the same Money, as lately advertised in this Paper.

Mr. Kneeland McNulty Philadelphia Museum of Art P.O.B. 7646 Philadelphia, Penna.

Dear r. c Nulty:

I am very grateful to you for spending the time with me at the museum and my wife and I both enjoyed meeting you.

I am enclosing a photocopy of the list of botanical items in the larger of the two books examined and with this list you may be able to add a few more items or comments from the other book. I would be grateful if you can.

Incidentally, I have been thinking about the problem of getting the leaf and the cloth on a flat level and it strikes me that first the leaf and then the moist cloth must have been laid upside down on a board and then plaster built up on the back to hold the leaf and cloth together at the proper level; then the negative could be made easily. This explains why the cloth had to be moistened in order to form itself around the leaf and it also explains the white areas between the outside edge of the leaves and the cloth.

I look forward to receiving the results of your finding out to who communicated with Linnaeus.

Sincerely yours,

ERIC P. NEWMAN NUMISMATIC

EPN/atb

Joseph Bristnall 2 Broke & Nature Freshing Laked 1931:1742 Lleany Company of Phile

Type of one book 17 × 13 with leave

Many leaves are undentitied. The lest contrains all which are identified with the untiling are used (entyped to cross due to ellipholity)

There are teather and charles printed in the same manner

* those so identical were done about



BENJAMIN FRANKLIN PARKWAY AT TWENTY-SIXTH STREET • P.O. Box 7646 PHILADELPHIA 1

June 10, 1963

Mr. Eric P. Newman Eric P. Newman Numismatic Education Society 6450 Cecil Avenue St. Louis 5. Missouri

Dear Mr. Newman:

Whit Bell tells me that the Library Company has Breintnall's own list from which leaf-prints could be ordered by interested persons. I wonder if that list would not be more satisfactory to you than our perusal of the actual scrapbooks. Would you care to write Edwin Wolf about this?

On Tuesday, Dr. C. William Miller of Temple University stopped in to see what our problem was all about. He is a very pleasant gentleman and most knowledgeable about Franklin imprints, but he has never been involved in the numismatic end of Franklin's work. I lent him your two articles and promised to write up my findings so that he could catch up to us. I'll send you a carbon also. Miller was very interested, but he has other Franklin matters on his mind.

It was very pleasant to meet you and your wife, and a real pleasure to show you the Breintnall book and discuss the project. I hope all this activity will end in something useful. I haven't yet checked on the revised edition of Peter Kalm to see if he told Linnaeus about Hesselius.

Kuland Mclusty

Cordially,

Kneeland McNulty

Associate Curator of Prints



BENJAMIN FRANKLIN PARKWAY AT TWENTY-SIXTH STREET • P.O. Box 7646 PHILADELPHIA 1

June 27, 1963

Mr. Eric P. Newman Eric P. Newman Numismatic Education Society 6450 Cecil Avenue St. Louis 5. Mo.

Dear Mr. Newman:

Enclosed is a copy of my write-up of the Franklin investigations so far. I have incorporated a number of references with which you are perhaps unfamiliar.

Mr. Zigrosser is interested in my publishing our investigations, but I agree with Bell that the whole story with your researches into the botany and numismatic end of it, should all be included in one complete article. How are your efforts coming along?

Sincerely yours

Knieland McKult

Kneeland McNulty Associate Curator of Prints Mr. Kneeland McNulty Philadelphia Museum of Art P.O.Box 7646 Philadelphia 1. Penna.

Dear Mr. McNulty:

I read with great pleasure your draft of the nature printing write up and am very pleased that Mr. Zigrosser feels that it should be published. I agree with Mr. Bell that the whole story should be in one complete article. The problem, therefore, is whether there should be co-authorship or separate authorship of two sections. Since it is on the subject of money I think it would be much more potent if money is included in a substantial section of the article.

I am going away on my vacation for a month but, in the meantime, things will be happening. I am being sent another group of Colonial paper money to study and the botanical investigation should be finished by my return. I have not heard from Edwin Wolf, 2nd yet, but presume that will be forthooming.

I do have a number of suggestions, however, in connection with your article and will give some of them in the accompanying memorandum.

I am enclosing herewith a photocopy of the broadside issued by the Continental Congress in January of 1779 and call your attention to the last sentence showing that the bills were done by letter press and also showing throughout the broadside that copper plates were mentioned as being counterfeits. This broadside was included in my article by illustration only and was unreadable there.

I have also located some background material in Harper's Magazine, etc. showing that a lot of loose language was used. The article does, however, mention leaves as a device difficult to imitate.

July 2, 1963

-2-Mr. Kneeland McNulty Philadelphia Museum of Art

I thought this additional material might be helpful to you.

I was certainly delighted with what you have found. The technical numismatic and horticultural matters I will get to and, as I indicated before, it will make a most unusual publication in whatever form all of us feel will be the most effective.

Sincerely yours,

ERIC P. NEWMAN NUMISMATIC EDUCATION SOCIETY

EPN/atb

Page 2, line 1:

The age of the process of acid etching into copper could be mentioned. Is it later than Franklin or not?

Page 2. line 6:

When was Gillray's sicture published?

Page 2, line 20:

Mr. Dwiggins tried to confuse everybody. The \$3 Rhode Island piece he refers to has white lines on black. However, it does not have leaves while several other denominations of this 1700 issue do have leaves and all of the leaves are hand engraved and are printed white on black. They are quite crude compared to nature prints. Itll send a photocopy if you wish.

Page 2, last line:

It seems unwise to doubt the existence of this counterfeit copper plate as I have, in my collection, a counterfeit struck from it.

Page 3, second paragraph:

It is fundamental to mention that engraved copper plates were used to make most early Colorial currency and a few of the later issues. Paul Revere's currency plates and other earlier Massachusetts currency issues were engraved on copper and are still in existence at the Bostan State House and Massachusetts Mistorical Society. A 1776 \$20 North Carolina copper plate is in the American Antiquarian Society collection. New Hampshire plates exist, etc.

Page 3, last paragraph:

It is important to mention that the copper plate at H.S.P. was Continental Currency. It is dated 1776, not 1770.

Page 4, line 2:

I did not intend to indicate that all currency from copper plate was counterfeit, only that all copper plate strikings of Continental Currency were counterfeit.

Page 4. line 5:

You probably should know that Kenneth Scott's quotation was taken from my prior article. In fact, I practically wrote this chapter in his book and you will note he dedicated the book to me. The order of reference should be reversed.

Page 4. line 12:

The official proof sheets on blue paper distributed by the Continental Congress and by Pennsylvania, of which I have a group in my collection, give positive identification as to genuine notes. One can feel the depression in the lettering

Page 6, line 9:

This is a Pennsylvania piece and should be identified as such.

Page 6, line 14:

The use of the words "soft lead" is misleading. Actually this is putty or worked lead.

Page 6, line 16:

Instead of electrometallurgy, I would use the word "electrotyping" and indicate that it had just been invented. The electrotype was hard enough to press into a soft lead sheet which became the printing plate.

Page 7, line 2:

Again, Pennsylvania currency should be indicated.

Page 7, line 18:

I believe Colden wrote Franklin for details about the process and Franklin wrote that he would give the details but apparently never did. Have you found this?

Page 7, line 20:

Is there a chance of quoting a translation of part of the Funck book rather than using what Camus says Funck says?



BENJAMIN FRANKLIN PARKWAY AT TWENTY-SIXTH STREET * P.O. Box 7646 PHILADELPHIA 1

23 August 1963

Mr. Eric P. Newman 6450 Cecil Ave. St. Louis. Mo.

Dear Mr. Newman:

I have delayed replying to your last letter of July 2 due to your vacation and commitments here. Since I will be responsible for this department next year, I have had a lot of preparatory work for exhibitions, and am also trying to get ready to go to Europe for two months beginning Sept. 5.

I appreciated your comments about the write-up. I felt that there was too much other stuff going on to leave my leaf printing notes before writing it down and getting it all together.

To answer a few of your queries: the use of acid for etching metal goes back to the 15th century, but we do not know just when soft-ground etching, using an impress, first began. The Gillray print would come after Franklin's time, but it seems to be an early and outstanding use of this procedure.

My big disappointment was not to find any trace of Funck's book in Philadelphia, let alone Franklin's library (which Wolf is reconstructing). In fact, the only place I found it mentioned was in the Victoria and Albert Museum (neither the British Museum or Library of Congress catalogues mentions a copy). If we could trace a copy of that book to Franklin's hands we would be in, as the saying goes.

I will be interested to learn what further developments have occurred in St. Louis this summer. But I won't be back in this country until after November 4th.

Hope you had a good vacation,

Cordially

Knucland McChuell-Kneeland McNulty Assoc. Curator of Prints Mr. Kneeland McNulty Philadelphia Museum of Art P.C.Box 7646 Philadelphia, Penna.

Dear Mr. McNulty:

I have returned from my vacation and, though I am hard at work planning my daughter's wedding, I wanted to report ready to complete the write-up on the nature printing.

I have studied another collection of paper money and have gathered illustrations so that this part seems reasonably complete. The botanical investigation has been only partially completed and I am promised its prompt completion shortly. Edwin Wolf, 2nd, was kind enough to send me the list of nature prints which Breintnall offered for sale.

Are there any thoughts as to where this should be published if it is written jointly, or in two sections? Possibly Mr. Zigrosser has made more definite plans with respect to its publication.

I hope that you had a very pleasant summer and I sincerely needed my vacation as a diversion. I did not have a brain cell working.

I look forward to hearing from you shortly and am glad to return to nature.

Sincerely yours,

ERIC P. NEWMAN NUMISMATIC

EPN/atb



BENJAMIN FRANKLIN PARKWAY AT TWENTY-SIXTH STREET . P.O. Box 7646 PHILADELPHIA 1

26 August 1963

Mr. Bric P. Newman 6450 Cecil Ave. St. Louis 3, Mo.

Dear Mr. Newman:

Our letters must have crossed.

So far as I know, Mr. Zigrosser is not planning to publish anything further on the leaf-print subject. He has urged me to do so, but I felt that an article should eyer the kind of research you are conducting to be complete, and Dr. Bell is of the same mind.

It does occur to me that you could do one article for whatever numismatic publication you have in mind, stressing the currency angle and using whatever information you want from my paper, and I could do one stressing nature orinting and Franklin for some publication like the Proceedings of the American Philosophical Society, if they want it, supplementing it with your researches. Not having seen what you propose to write makes this very hypothetical.

In any case, I am not over concerned about my end of it except that I would like Dr. Bell to get credit for starting the whole investigation, and, of course, Mr. Zigrosser for his contribution in our Flower Catalogue.

Since I will be away until after Nov. 4th, you may wish to go ahead as you see fit, and if so, please feel free to do so. Perhaps it will take you until then to get your thoughts down on paper anyhow.

Sincerely yours,

Guiland Method

Kneeland McNulty Assoc. Curator of Prints & Drawings Mr. Knecland McNulty Philadelphia Museum of Art P.O.Box 7646 Philadelphia, Penna.

Dear Kneeland:

welcome home to a mound of mail to which, unfortunately, I am adding.

I am enclosing herewith the article I have written on nature printed currency and would appreciate it if you would read it and make any suggestions or corrections you care to. C. William filler, of Temple University, English Department, has an earlier draft of the article. The illustrations are omitted, as you know what they are.

I would appreciate your promptness in giving me your thoughts as the publisher is awaiting the green light.

I must thank you over and over again for making it possible for me to do this research. It was exciting, stimulating, and I hope helpful to several scholarly fields.

I look forward to hearing all about your European adventure.

Kindest personal regards from my wife and myself.

Cordially,

ERIC P. NEWAN NUMISHATIC

EPE/atb

Mont Aubry Dela motrage coming with Dock (hew a few Sauce spaft to get me to implich him about Tencany I thought fit to make an addition to them as I had Opportunities (an) hand It Or (a) Shave Sent to School office for from (8 a to and see In Kemp 49 English Hasle Sitty of tall Jost a (Branche Hickory Sugal Gum as call here . Hornes High) 52 another Jeaf 53 Blackberry, Sina Brown 8. mullaite 9. (Raspleary to Suropean) 34 Compalitration 58 agreemony , a Branch 15. arsmark 19. Water Berch 20. Indian Turnip, 5 Leave on a Win 63 blogson and bond 21. Lambe Quarter ... by Varves 22. mercousy 25 Locust Banker Soil . 67 Wild Plum 26 fmall Wild (grape). 68 ofcurrygrafi 28. a protty namelefo Brangh 20. Supile Amulberry do Black mulberry 12 Black Thorn 31. Brow Dock 32. afarabacca 33. Performmen. 74 Oaks, afollect? 34 - another fort Rattle frate 13 75 Solomonty Seal 20 76 Tanton, a Branch to fill 36 - Mallow 37. maple 38. Chafnut 96 White Ellobole 39. Plantain an affet 97 Skunk wood which 10 . Fax Grape , call Black Stebores. 42. Back ___ A3. alder -41. Elm 15 . Wild Cherry AG Black Youlhut Valy Sprace -

Aloh mony while Current Soals Rie Kattlesnake Golden od Red Courset Acarum Canadisis* Cat Tail Grass Arasmart Horacadish Homewalle Hellbore Althea Harle Dittany May Apple 14 cony Wild Angelica Dogwood Indian Hemp Amaranth Wosehout Agarabacca Swamp Hellebran Arrowhead Aspen Le Heart Bleck Heart Blackberry May Heart Carolina Bean Newlock Burdock Elm Glecampani Bellowort * Hollock Beach * * Holly Betony Negat Bay Baulin Junaalen Articloke Fratherfew Balery Luckenheat Fenerales Laterpillar Lound Chang tox lape houst I wich small Black Graperine Carlon Major Lunden wild Grape I aprime or Burdweed Line Small Lay Roccust Gunant Fire English Frage House Chrotant Sell Sel. Cotto Dul Der her Eller oce Swet Jun Treen Goodberry End of Small Black Cher Red I now herry Beach Current Lourd

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the \$300 serya may be Throthe Ment (joke can be made) Lead Nettle Sarsaparthe Somew died " Last 7the Cooke Tree boot to V. H. Jany Chelson Emprouse after 24 Louis going in waller the 1st July 1772"

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Ang. 1733 Sept winter - Lone go 27 d."

"Engrand by the Sentent and best ingrance in the Lowerse" " Lone of the fine, 1724 or my new trees the he kent of many of"

" this one with new Hand Bill 29th July 1134"

" Asaralacca From & Gray west India Plant"

" The Dock, 1134 Moist Ther'out"

"These were done in very new Press which grouph " None Holy 25th 1142, with my Velvet Ball"
"Done 25th yel, 1744 summerly with Seather

as rebut Ball.

To Mr. Kneeland McNulty

FROM Eric P. Newman

Dear Kneeland:

For my article, I have determined that to make it complete I should illustrate the rattle snake herb in Poor Richard's Almanac. No doubt you have a photograph which you used to make the cut on page 238 of your catalogue. Could you get me a print of the photograph you used?

E N/atb



BENJAMIN FRANKLIN PARKWAY AT TWENTY-SIXTH STREET • P.O. Box 7646 PHILADELPHIA T

1 vember 8, 1963

Wr. Fric F. Newmon Triematic Sharaticy Portety Face Cecil Avenue St. Louis ', Missayri

Jear 'r. Haumen:

Many theory for your interesting article to with have read and solvested riscuss. It is good to see our efforts finally collected and supported, and we will be supported to see that in neighbor or leading - it was been used, for.

We no longer use a shake compile orth of the lattlespace lett. Sure only no was a named by publicity, anymon, you shall be the compiler of the compiler of the compiler of the compiler of the surest on sale to make the man. Gentrale of these, libraries, for all the surest of the compiler of the compile

Kurland Welling

Those we shall mee waln. We have a sopterful time abroad.

Please wire m. Test to your wife.

ordially yours,

Freeland Mcht-ltv

sst clate "gratur of Prints and Trawin

November 11, 1963

Mr. Kneeland McNulty Philadelphia Museum of Art P.O.Box 7646 Philadelphia, Penna.

Dear Kneeland:

Professor Miller was kind enough to go over the text of my article and make a large number of suggestions.

that I need from you, promptly, is the picture of the Rattle-make herb from "Poor Richard" as I am being pushed for the final revision for publication. Can you help me promptly on that cicture?

Cordially,

ATTC P. MENTAN

E N/a tb



BENJAMIN FRANKLIN PARKWAY AT TWENTY-SIXTH STREET . PO. Box 7646 PHILADELPHIA

November 12, 1963

Mr. Eric P. Newman Numismatic Education Society 0450 Cecil Avenue 85. Louis 5, Missouri

Dear Mr. Neuman:

hope you have received your memoraint, with suggested rearges. It drived here on Phursday, my Mirst day back to work. It was madded tack to you, first close, on Friday, with a letter explaining that we do not have a ductoranh of the rattlesnake went, and that it could be endered, with request for permission to mullise, from Mrs. Bertune J. Mess of the American Philosophical Society Pairwary, 5th and Thestant Sts.

I am terribly sorry that you have been immorphism tendered, but I could not possil, lave been more prompt.

ordially,

Kreeland

Associate Pureter of Prints

November 15, 1963

Mr. Kneeland McNulty Philadelphia Museum of Art P.O.Box 7646 Philadephia, Penna.

Dear Kneeland:

I am very grateful for your immediate cooperation with respect to my article. I know how much you had to do, coming home from Europe.

The photograph of the rattlesnake herb will be arriving promptly, and that will complete my illustrations.

The article will be published in February, in TheTNumismatist and reprints will be made.

Are you planning to publish your article, and, if so, please let me be of assistance to you in that respect.

Sincerely yours,

ERIC P. NEWMAN

EPN/atb

JOHN WORK GARRETT LIBRARY OF THE JOHNS HOPKINS UNIVERSITY

ELIZABETH BAER, Librarian SARAH E. FREEMAN, Curator, Numismatics



EVERGREEN HOUSE

4545 NORTH CHARLES STREET BALTIMORE 10, MARYLAND

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To He,

Sally

P. . Alls two cotals a large lines, one of the late

